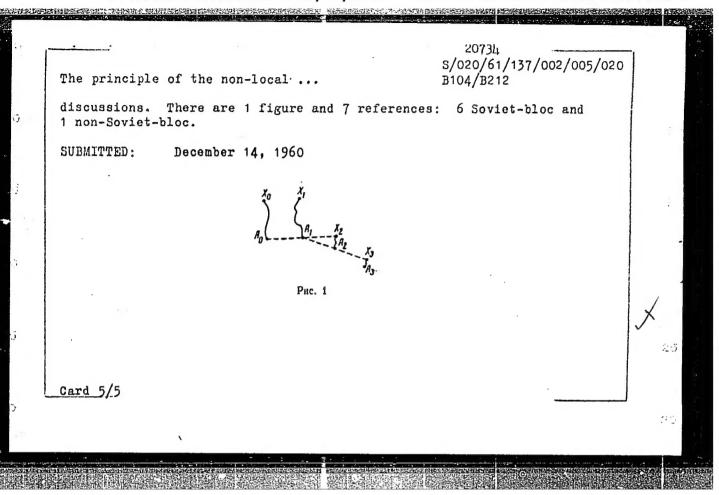
20734

The principle of the non-local ...

S/020/61/137/002/005/020 B104/B212

equivalent and the local methods have a small effectivity. It is assumed that the first trigger operation has brought the system into a point A_0 (Fig. 1), then, in a distance of X_0 , which is larger than that of the first step, a point X_1 is chosen. A new trigger operation is carried out from point X_1 , which brings the system into the state A_1 . After this, the so-called "dip" step is performed: A_0 and A_1 are connected with a straight line. Point X_2 is chosen on this line and starting from it the gradient A_2 will be found with a trigger operation. In this manner the minimum of Φ is established. The method described is very complicated if there are many variables and the authors suggest a method where the variables x_1 are described by initial probabilities p_1 . Using those, several directions are selected and calculations are made with partial gradients. N. A. Bernshteyn is mentioned. The authors thank M. A. Yevgrafov, L. N. Ivanova, and I. I. Pyatetskiy-Shapiro for valuable

Card 4/5



"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757010018-1

16.8000 (1121,1132,1344)

25667 8/020/61/139/004/001/035 8104/82**

AUTHOR:

Tsetlin, M. L.

TITLE:

Some problems on the behavior of finite automatic larices

PERIODICAL:

Akademiya nauk SSSR. Doklady, v. 139, no. 4, 1961, 830-633

TEXT: The author studied the behavior of finite automatic devices in media acting at random on finite automatic devices. On the condition that a medium "punishes" the automatic device with a probability defined for each of its operations, it is shown that the functioning of this device may be described with the aid of a Marcov circuit. Supposing that 1) the imput variable S(t) ($t=1, 2, \ldots$) of the automatic device assumes only two values (0 and 1), 2) the transitions from one state to another are determined by the so-called simple matrix $A(s) = \|a_{ik}(s)\|$, that is, if at the moment A the automatic device is in a state q_i , it will pass ever to a state at the moment A+1, for which $a_{ik}(S(t+1))=1$, 3) the output variable f(t) can assume only the discrete values 0 and 1, and that the

7

Card 1/5

"APPROVED FOR RELEASE: 03/14/2001

25847 8/020/61, 139/004/001/025 B104/P215

Some problems on the behavior of ...

automatic device operates in a stationary random medium $C = C \cdot (\frac{1}{1} - \frac{1}{1})$; i.e., the input variable is connected with the operation of the automatic device in such a manner that the operation f carried out by the automatic device at the moment A produces the quantity $e^{\pm 1}$ at the moment $e^{\pm 1}$ with a probability $e^{\pm 1}$ and the quantity $e^{\pm 0}$ with a probability $e^{\pm 1} = e^{\pm 1}$; 4) $f(q_j) = 0$ for $j=1, \ldots, n$ and $f(q_j)$ for $j=n+1, \ldots, 2n$, then

$$P_{ik} = \begin{cases} P_0 a_{ik}(1) + q_0 a_{ik}(0) & \text{for } i = 1, \dots, n \end{cases}$$

$$P_{ik} = \begin{cases} P_0 a_{ik}(1) + q_0 a_{ik}(0) & \text{for } i = n + 1, \dots, n \end{cases}$$

$$P_{ik} = \begin{cases} P_0 a_{ik}(1) + q_0 a_{ik}(0) & \text{for } i = n + 1, \dots, n \end{cases}$$

will be valid for the probability p_{1k} of a transition from the inth to the j-th state. The p_{1k} matrix is stochastic owing to the so-called supplicity of the a_{1k} matrix, so that the functioning of this automatic device in a stationary random medium is described by a stationary Marcov First that Apart from unessential restrictions it may be assumed in general that this

Card 2/5

256li7 8/020/61/139/004/007/025 B104/B213

Some problems on the behavior of ..

circuit is an ergodic one, which implies that the states of the automatic device exhibit limiting probabilities which do not depend on the initial state. To give an example, the automatic device L_n (an automatic device operating on linear tactics) is dealt with. This automatic device has 2n states. A graph of its states is shown in Fig. 1. The matrix elements of the states of the device are determined from

$$a_{lh}(0) = 1$$
 при $l = 2, 3, \ldots, n, n + 2, \ldots, 2n$ и $h = l - 1;$
 $a_{11}(0) = a_{n+1,n+1}(0) = 1;$
 $a_{lh}(1) = 1$ при $l = 1, 2, \ldots, n - 1, n + 1, \ldots, 2n - 1$ и $k = l + 1;$
 $a_{n,2n}(1) = a_{2n,n}(1) = 1,$

The elements that have here been disregarded are zero. The matrix P can easily be determined from (2) which is used to calculate the limiting probabilities of the states.

$$M(L_n, C) = \frac{p_0 p_1^n \frac{p_0^n - q_0^n}{p_0 - q_0} + p_1 p_0^n \frac{p_1^n - q_1^n}{p_1 - q_1}}{p_1^n \frac{p_0^n - q_0^n}{p_0 - q_0} + p_0^n \frac{p_1^n - q_1^n}{p_1 - q_1}}.$$
(4)

Card 3/5

2581.7 8/020/61/139/004/007/025 B104/B213 Some problems on the behavior of ... is obtained for the expectation value of a "punishment". $M(L_n, C)$ is a decreasing function of the capacity n of the memory, and with M min one finds $\lim_{n\to\infty} M(L_n, C) = M_{\min}$. In addition, the behavior of an automatic device operating on linear tactics in a medium is studied, the time dependence of the probability properties being determined by a Marcov circuit. ...5 The medium is described by $K = K(C_1, C_2, \delta)$, where C_1 and C_2 represent two states of the Marcov circuit. An expression is derived for the expectation value $M(L_n,K)$ of a "punishment", which reveals that this expectation value reaches a minimum at a certain finite value $n = n_0$ of the capacity of the 50 The existence of this minimum can be attributed to the fact that the information on the state of the medium will be insufficiently evaluated if the volume of the memory is too small. In case of n being too great, the mean is taken of the statistical properties of both states of the ' 555 composite medium. It is then possible to construct an automatic device operating on linear tactics, which exhibits the most adequate behavior in a CO Card 4/5

S/020/61/139/004/007/025 B104/B213

Some problems on the behavior of ...

given composite medium. The author thanks I. M. Gel'fand, D. S. Lebedev, and O. B. Lupanov for interest and attention, as well as B. D. Yefremov for his assistance in carrying out the computations. V. L. Buylov is mentioned. There are 2 figures, 1 table, and 2 Soviet-bloc references.

ASSOCIATION:

Matematicheskiy institut im. V. A. Steklova Akademii nauk

SSSR (Institute of Mathematics imeni V. A. Steklov of the

Academy of Sciences USSR)

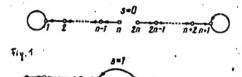
PRESENTED:

March 22, 1961, by I. G. Petrovskiy, Academician

2n 2n+1

SUBMITTED:

March 16, 1961



Card 5/5

3

20

 GEL'FAND, I.M.; GURFINKEL', V.S.; TSETLIN, M.L.

Some considerations on the tactics of the formation of movements. Dokl. AN SSSR 139 no.5:1250-1253 Agg.'61.

(HRA 14:8)

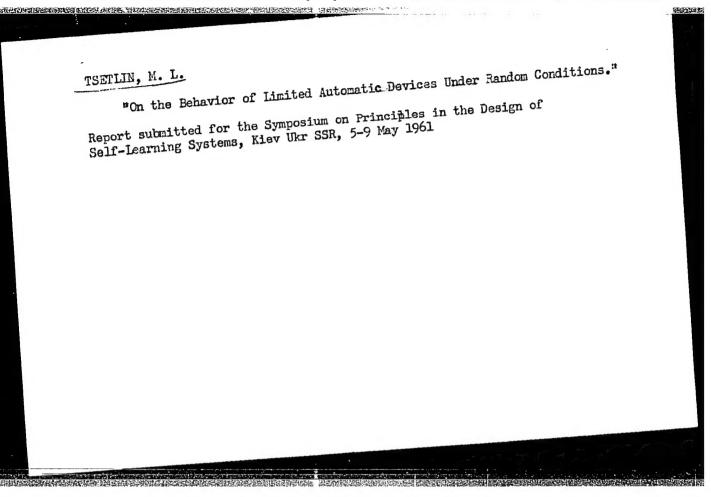
1. Institut biologicheskoy fiziki AN SSSR. 2. Chlenkorrespondent AN SSSR (for Gel'fand).

(MOVEMENT, PSYCHOLOGY OF)

GAAZE-RAPOPORT, Modest Georgiyevich; TSETLIN, M.L., red.; BIRYUKOV, B.V., red.; AKSEL'ROD, I.Sh., tekhn.red.

[Automatons and living organisms; operating models that behave like living organisms] Avtomaty i zhivye organizmy; medelirovanie povedeniis zhivykh organizmov. Moskva, Gos.izd-vo fizikomatem.lit-ry, 1961. 224 p. (MIRA 14:4)

(Automata) (Physiology)



33631 S/042/62/017/001/001/005 B112/B108

16,8000 (1031,1132,1329)

AUTHORS: Gel'fand

Gel'fand, I. M., and Tsetlin, M. L.

TITLE:

Some methods of the control of closed systems

PERIODICAL: Uspekhi matematicheskikh nauk, v. 17, no. 1 (103), 1962, 3-25

TEXT: The authors investigate closed controlling systems which have a certain finality. The analysis of scattering phase shifts (proton-proton scattering) and the construction of physiological motions (human motion) are considered as examples. Such problems are reduced to automatically finding the minimum of a function $F(x_1, \dots, x_n, y_1, \dots, y_n)$, where the "hidden"

parameters y_1, \ldots, y_n depend on time t and on the "working" parameters x_1, \ldots, x_n . The function $\varphi(x_1, \ldots, x_n, t) \equiv F(x_1, \ldots, x_n, y_1, \ldots, y_n)$ is said to be the appraisable function of the system considered. Essentially, there are three methods of automatically finding such arguments x which correspond to sufficiently small values of φ : 1. Blind seeking. 2. Local seeking. 3. Non-local seeking. As a method of non-local seeking, the

Card 1/3

33631 S/042/62/017/001/001/005 B112/B108

Some methods of the control...

authors present the so called method of "gorges". This method is schematiauthors present the so carry according to the straight lines $\overline{A_iA_{i+1}}$ indicate the "gorges".

P. K. Anokhin and G. V. Gershun' are mentioned. N. A. Bernshteyn, V. S. Gurfinkel', L. N. Ivanov, and I. I. Shapiro-Pyatetskiy are thanked for assistance. A. A. Fel'dbaum (Avtomatika i telemekhanika 21, No. 9 (1960); No. 11 (1960); Vychislitel'nyye ustroystva v avtomaticheskikh sistemakh Computational constructions in automatic systems, M., Fizmatgiz, 1959; Avtomatika i telemekhanika 17, No. 9 (1956); 19, No. 8 (1958)), N. A. Bernshteyn, (O postroyenii dvizheniy - On the construction of motions, M., Medgiz, 1947), I. M. Gel'fand, V. S. Gurfinkel', M. L. Tsetlin (DAN 139, No. 5 (1961)), V. S. Gurfinkel' (AMN, 1961; Tret'ya nauchnaya sessiya TsNIIPP - Third scientific session of TsNIIPP, M., 1953; Vtoraya nauchnaya sessiya TsNIIPP - Second scientific session of TsNIIPP, M., 1952) are referred to. There are 8 figures and 35 references: 28 Soviet and 7 non-Soviet. The four most recent references to English-language publications read as follows: E. R. Caianiello, Outline of a theory of thought processes and thinking machines, Naples, 1960, Preprint; S. Ulam, A collection of mathematical problems, New York - London, 1960; R. C. Stabler, E. L. Lomon,

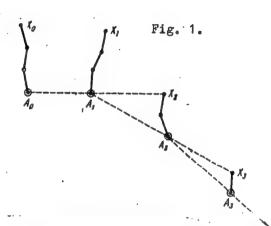
Card 2/3

33631 S/042/62/017/001/001/005 B112/B108

Some methods of the control...

Proton-proton scattering phase shifts at 150 Mev, Nuovo cimento 15, No. 2 (1960); H. P. Stapp, T. I. Ipsilantis, N. Metropolis, Phase-shifts analysis of 310 Mev proton-proton scattering experiments, Phys. Rev. 105, No. 1 (1957).

SUBMITTED: July 20, 1961



Card 3/3

GEL'FAND, I.M.; GURFINKEL', V.S.; KOTS, Ya.M.; TSETLIN, M.L.; SHIK, M.L.

Synchronization of mctor units and its model representation. Biofizika 8 no.4:475-487 '63.

(MIRA 17:10)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

L 18h06-63

EWT(d)/FCC(w)/BDS AFFTC/ASD/ESD-3/RADC/IJP(C)

ACCESSION NR: AP3003744

\$/0103/63/024/007/0975/0987

AUTHOR: Kry*lov, V. Yu. (Moscow); Tsetlin, M. L. (Moscow)

TITLE: Automata games

SOURCE: Avtomatika i telemekhanika, v. 24, no. 7, 1963, 975-987

TOPIC TAGS: game, automaton

ABSTRACT: Two finite automata without a priori information about the game are selecting their strategies in the course of playing the game. Hands (games) are repeated many times, and each of them means a unit loss or gain for a given automaton. Thus, the strategy of each automaton is based only on his last score. Such a type of game is described by the Markov's finite chain; final probabilities of winning are determined for the ergodic-game class. Further, a two-automata zero-sum game is defined. The automaton plays with an adversary who has selected a mixed strategy. A linear-tactics automaton can maximize its chances

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ACCESSION NR: AP3003744

to win; if his opponent uses the optimum strategy, it can still get the Neumann's pure value. It is assumed that both automata have expedient behavior. Finally, a zero-sum game is considered between two automata having an asymptotically optimum behavior in steady-state random media. Some experimentation with a computer in connection with the latter type of game is mentioned. Orig. art. has: 3 figures, 49 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 04Nov62

DATE ACQ: 02Aug63

ENCL: 00

SUB CODE: IE

NO REF SOV: 006

OTHER: 004

Card 2/2

S/020/63/149/001/005/023 B112/B186

AUTHOR :

Tsetlin, M. L.

TITLE:

Some remarks on a game played by a finite automation against an opponent using a mixed strategy

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 1, 1963, 52 - 53

TEXT: The game under consideration is defined by a matrix $A = \|a\|_{1k}$, i = 1, ..., M, k = 1, ..., N. One of the players is a finite automation $L_{\text{Mn}, M}$ with linear strategy (cf. M. L. Tsetlin, DAN, 139, No. 4 (1961); Avtomatika i telemekhanika, 22, No. 10 (1961)). The mathematical expectation value W(n) for a victory of the automation $L_{\text{Mn}, M}$ is derived to be

 $W(n) = \sum_{i=1}^{M} (1 - \lambda_{i}^{n}) / \sum_{i=1}^{M} ((1 - \lambda_{i}^{n}) / a_{i}), \text{ where } a_{i} = \sum_{k=1}^{Mn, M} a_{ik} x_{k}, \lambda_{i} = p_{i} / q_{i},$

 $p_i = \sum_{k=1}^{N} p_{ik} x_k, \quad q_i = \sum_{k=1}^{N} q_{ik} x_k, \quad p_{ik} = (1 + a_{ik})/2, \quad q_{ik} = (1 - a_{ik})/2.$

Cara 1/2

 是一个人,我们也是一个人,我们也是一个人的人,我们就是一个人的人,我们们们们们的一个人,我们们们的一个人的人,我们们们是一个人的人,我们们们是一个人的人,我们们

S/020/63/149/002/007/028 B112/B180

AUTHORS:

Tsetlin, M. L., Krylov, V. Yu.

TITLE:

Examples of games played by robots

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 2, 1963, 284-287

TEXT: The behavior of players in a game is considered, the conditions of which are not known to the players. It is assumed that the game is repeated a certain number of times. Simplest examples for playing a zerosum game with linear strategy are considered. For this case, the mathematical expectation value is calculated and shown to be similar to that of the von Neumann game.

PRESENTED: October 16, 1962, by M. V. Kel'dysh, Academician

SUBMITTED: October 4, 1962

Card 1/1

GEL'FAND, I.M.; PYATETSKIY-SHAPIRO, I.I.; TSETLIN, M.L.

Certain classes of games and robot games. Dokl. AN SSSR 152 no.4:845-848 0 '63. (MIRA 16:11)

1. Chlen-korrespondent AN SSSR (for Gel'fand).

GELIFAND, I.W.; GURBINAELI, V.M.; KUTS, Ya.M.; FRISTROY, V.I.;

RECTION, M.L.; SHIK, M.L.

Study of postural activity. Bioficika 9 nc.61710-717 fd..

(MIRA 18:7)

1. Institut biologichesky ficiki ab SSSR, Meskva.

GINZEURG, S.L. (Moskva); KRYLOV, V.Yu. (Moskva); TSETLIN, M.L. (Moskva)

Example of a game of many identical automatons. Avtom. i telem.

25 no.5:668-672 My *64.

(MIRA 17:9)

A grange of the second A CENSTAN AFTER AFTER A AUTHOR: Bry agalov, V. I. (Moscow), Gel'fand I. M. (Moscow), Liver to the Profit Live (Now of Lotte M. L. (Moscow) HILL Uniform against distriction of 196 to the tall-computer simulation TOPIC TAGE FREE CONTROL OF The second section is a second ABSING CONTRACTOR The second of the second of the en de la companya de En la companya de la The second secon The first of the base of Card 1/2

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Card 2/2	

VARSHAVSKIY, V.I.; MELESHINA, M.V.; TSETLIN, M.L.

Automata behavior in periodical random media and the synchronization problem in the presence of noise. Probl. pered. inform. 1 no.1:65-71 (MIRA 18:7)

GINEBURG, S.t., TETTIN, Di...

Gome examples of modeling the collective behavior of automata.

Probl. pared, inform, 1 no.2:54-62 %5.

(MRR 18:7)

JYT(BF) TJP(c) L 40898-66

SOURCE CODE: UR/0406/65/001/002/0054/0062 ACC NR: AP6007532

AUTHOR: Ginzburg, S. L.; Tsetlin, M. L.

ORG: none

TITLE: Some examples of the simulation of the group behavior of automatons

SOURCE: Problemy peredachi informatsii, v. 1, no. 2, 1965, 54-62

TOPIC TAGS: game theory, automaton, computer theory

ABSTRACT: Earlier, the authors and V. Yu. Krylov (Ob odnom primere igry mnogikh odinakovykh avtomatov. Avtomatika i telemekhanika, 1964, XXV, 5, 668-672) described a symmetrical game by a large number of identical automatons ("assignment game") and showed that a group of automatons, unified in the participation of such a game, will behave in a suitable fashion in the sense that the behavior of automatons lacking a priori information on the conditions of the game is analogous to that of players who have a prior knowledge of the conditions of the game and that they are able to select the most effective line of conduct. In the present article, the authors study the reliability of this collective behavior and describe an example of the use of assignment game simulation methods to solve the so-called computer equipment distribution problem in one of several possible simple formulations. The game

UDC: 62-507 1/2 Card

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ACC NR: AP6007532

considered is assignment with common class, in which the automatons are distributed in terms of strategies so as to achieve maximum overall gain. Automaton failure is considered a possibility. The effect of memory changes in an automaton and the number of automatons taking part in the game on the mean gain per automaton is analyzed in two examples. The method proposed involves the consideration of the computer equipment distribution problem as one of the organization of the collective behavior of the solving devices, with an attempt to organize their interaction in order that the suitable behavior of individual devices lead to optimal behavior of the entire problem-solving system. Orig. art. has: 7 tables and 10 formulas.

SUB CODE: 09,12/ SUBM DATE: 04Nov64 ORIG REF: 002

Card 2/2 MLP

L 04905-67 ENT(d)/EWP(1) IJF(c) GD SOURCE CODE: UR/0000/66/000/000/0165/0169

AUTHOR: Tsetlin, M. L.; Ginzburg, S. L.; Krylov, V. Yu.

31 B+1

ORG: none

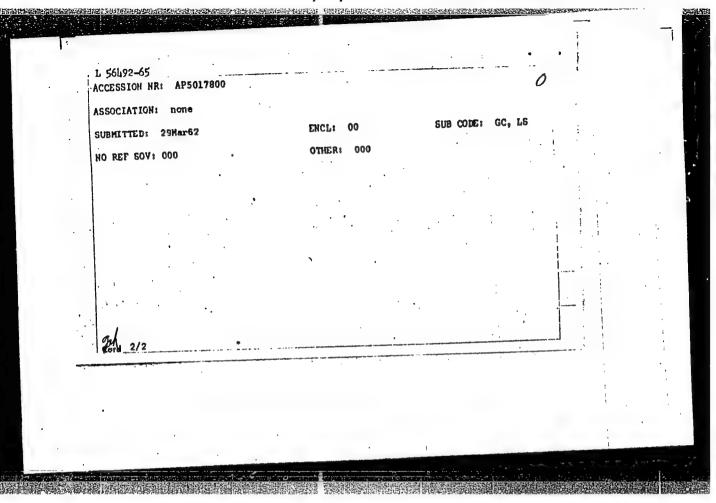
TITLE: Example of the collective behavior of finite automatons

SOURCE: Moscow. Institut avtomatiki i telemekhaniki. Samoobuchayushchiyesya avtomaticheskiye sistemy (Self-instructing automatic systems). Moscow, Izd-vo Nauka, 1966, 165-169

TOPIC TAGS: finite automaton, game theory, computer simulation

ABSTRACT: The article contains a description of an example of computer simulation of an "assignment game" by many automatons. A simple example of a symmetrical game permitting a natural interpretation is selected. Resultant conditions and equilibrium points are studied, and the behavior in this game of automatons interrelated by the "common pool" procedure is studied. The authors show that automatons invested with purposeful behavior under stationary random conditions will likewise behave "reasonably" in this case as well (provided that their memory capacity is sufficient). Three strategy examples are analyzed and win factors are derived for different memories and for situations with and without the "common pool" concept. SUB CODE: 09,12/ SUBM DATE: 02Mar66/ ORIG REF: 002/ OTH REF: 002

L 56192-65 ACCESSION NR1 APS017800	UR/0286/65/000/011/0031/0031 631.859.12.002.2
M. V.; Babaryka, I. F.; Kuzyak, Buslakova, L. P.; Toroptseva, N.	k, B. D.; Repenkova, T. G.; Sviridova, A. G.; Raygorodskiy, I. H.; Vasil'yev, B. T.; Bystrov, F. A.; Fel'dman, M. V.; Soverchenko, D. A.; P.; Lyubimov, S. V.; Ul'yanov, A. T.; Andres, a, H. H.; Andreyev, V. V.; Kramer, G. L.
TITLE: A method for producing pho	osphoro-potassium fertilizers. Class 16, No. 171-
SOURCE: Byulleten' izobreteniy i	tovarnykh znakov, no. 11, 1965, 31
potassium rertilizers daing dame.	te, potassium that are introduces a method for producing phosphoro- that dust (waste from cement production) as the potas- of adding potassium to the product is simplified that are successed an acid which directly neutra- that are successed an acid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are successed as a cid which directly neutra- that are succ
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POPADEYKIN, Vitaliy Ivanovich; TSETLIN, M.N., red.; GALAKTIONOVA, Ye.M., tekhn.red.

[Moscow - Leningrad; road guide] Moskva - Leningrad; putevoditel' po avtomobil'noi doroge. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i shosseinykh dorog RSFSR, 1960. 145 p. (MIRA 13:7)

(Automobiles -- Road guides)

TSETLIN, M. N., Docent

Pharmacy - Study and Teaching

Teaching Letin in pharmaceutical institutes. Apt. delo no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress. November, 1952. UNCLASSIFIED.

TSETLIN, M. N., Docent

Pharmacy - Terminology

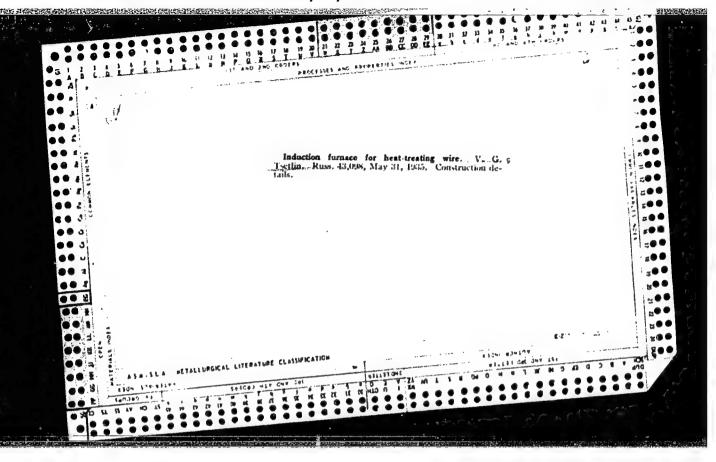
Problem of terminology; comments on Prof. Ye. Ya. Abol's article. Docent M. N. TSetlin. Apt. delo no. 4, 1952.

Monthly List of Russian Accessions. Library of Congress. November, 1952. UNCLASSIFIED

TSETLIN, M.S., inzh.

The eastern region of the Donets Basin as an additional source of coking coals for the metallurgy of the South. Ugol.prom. (MIRA 15:11) (Donets Basin--Coal)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"



Effectiveness of trolley car transportation. Mekh.trud.rab. 7 no.9:144-45 (MIRA 6:9) S '53. (Electric railroads--Freight)

ZVONKOVA, Ye.N.; TSETLIN, V.I.; SARYCHEVA, I.K.; PREOBRAZHENSKIY, N.A.

Lipids. Part 27: Synthesis of α , and β -chimyldipalmitates. Zhur. org. khim. 1 no.4:630-634 Ap. 165. (MIRA 18:11)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

FADDER, M.L.; MEETLIN, V.M.: GRIKLITS, E. Ya. [Grizible, E.]

Experience with the use of distryctormanide in serosol cylinders. Med. pures. a parez. bol. 33 no.1:61-63 Fa-F 164 (MIRA 18:1)

1. Westvalinky naudmo-1s winestelisky dozinie telomyy institu (zirektor - prof. V.I. Vashkor) Ministeratva záravookbrananiya SCER, Hoskva, i zavod "Ozintarr", Riga.

TSETLIN, Vitaliy Matveyevich; VIL'KOVICH, Vladimir Abramovich;
KARON, I.I., red.

[Physicochemical factors of disinfection] Fiziko-khimiche[skie faktory dezinfektsii. Moskva, Meditsina, 1965. 235 p.
(MIRA 18:5)

UR/0240/66/000/009/0015/0017 SOURCE CODE: ACC NR: AP6031637 (A)AUTHOR: Vashkov, V. I.; Volkova, A. P.; Tsetlin, V. M.; Yankovskiy, E. Ya. ORG: Central Scientific Research Disinfectant Institute, Moscow (Tsentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut); Central Design Bureau for the Chesical and Silicate-Ceramic Industry, Riga (Tsentral'noye konstruktorskoye byuro khimicheskoy i silikatno-keramicheskoy promyshlennosti) TITLE: Evaluation of the use of DDVP in an insecticide mixture SOURCE: Gigiyena i sanitariya, no. 9, 1966, 15-17 TOPIC TAGS: insecticide, DDVP, pesticide, aerosol, cholinesterase activity, toxicity ABSTRACT: The toxicity of 82.5%, 92.12% and 99.46% DDVP mixtures was tested on cats, rabbits, rats and mice enclosed in an aerosol chamber and exposed to aerosols with a density of 1 g/ml and a particle size of approximately 5 µ. The experiments were continued for 10 to 40 days and lasted about 2 hr each. Inhalation was less toxic than ingestion in nearly all cases: at an estimated concentration of 15—18 mg/m^3 of air the compound produced no observable toxic effects over the entire 10-40 day period. [WA-50; CBE No. 12] SUB CODE: 06/ SUBM DATE: 24Feb66/ 614.449.57:[614.484:615.778.3 1/1

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

ACC NRI AP6031637 (A) SOURCE CODE: UR/0240/66/000/009/0015/0017
AUTHOR: Vashkov, V. I.; Volkova, A. P.; Tsetlin, V. M.; Yankovskiy, E. Ya.
ORG: Central Scientific Research Disinfectant Institute, Moscow (Tsentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut); Central Design Bureau for the Chemical and Silicate-Ceramic Industry, Riga (Tsentral'noye konstruktorskoye byuro khimicheskoy i silikatno-keramicheskoy promyshlennosti)
TITLE: Evaluation of the use of DDVP in an insecticide mixture SOURCE: Gigiyena i sanitariya, no. 9, 1966, 15-17
TOPIC TAGS: insecticide, DDVP, pesticide, aerosol, cholinesterase activity, foricity
ABSTRACT: The toxicity of 82.5%, 92.12% and 99.46% DDVP mixtures was tested on cats, rabbits, rats and mice enclosed in an aerosol chamber and exposed to aerosols with a density of 1 g/ml and a particle size of approximately 5 µ. The experiments were conparticle size of approximately 5 µ. The experiments were con-
was less toxic than ingestion in nearly all cases: at an estimated concentration of 15—18 mg/m ³ of air the compound produced no
SUB CODE: 06/ SUBM DATE: 24Feb66/
Card 1/1 UDC: 614.449.57:[614.484:615.778.3

Tsetlin, V.M. and Tsedilin, S.A. AUTHORS:

136-58-3-14/21

THE RESERVE AND THE PROPERTY OF THE PROPERTY O

A sonic siren for dust catching (Zvukovaya sirena dlya pyleulavliva iya)

TITLES

PERIODICAL:

Tavetnyye Metally, 1958, Nr.3. pp. 76-78 (USSR)

ABSTRACT:

The very finely divided sublimates arising in non-ferrous metals production are difficult to trap. The coagulation of such particles is assisted by sonic vibrations and the authors describe a siren for this purpose designed built and tested in Gintsvetmet. The working parts of the siren (fig.1) have 75 circular holes with their centres on a circle of 200 mm diameter. The siren consists of two halves (the casing and the stator), which facilitates its assembly and control of gaps between the working parts. The authors discuss the choice of hole diameter and shape of gas passages rotor holes are made 0.3 mm less in diameter than the 4.2 mm diameter stator holes, and the latter are conical with the larger diameter 7.2 mm. The axial gap between rotor and stator is less than 0.05 mm. Pressure drop and noise intensity are plotted (figs. 2 & 3) against air flow (30-500 nm³/hour). The frequency generated in 3 kilohertz. There are 3 figures.

ASSOCIATION: Gintsvetmet

AVAILABLE:

Library of Congress.

1. Sound-Applications 2. Dust-Effects of sonic vibrations

Card 1/1

3. Sonic vibrations-Applications

LEYZEROVICH, Grigoriy Yakovlevich; BABINA, Irina Vladimirovna;

SEREBRENNIKOVA, Esfir' Yakovlevna; CHUMAK, Z.V., inzh.,
retsenzent; POPOV, N.A., inzh., retsenzent; TSETLIN, V.W.,
red.; MISHARINA, K.D., red.izd-va; ISLENT'YEVA, P.G.,
tekhn.red.

[Roasting zinc concentrates in a fluidized bed] Obzhig tsinkovykh kontsentratov v kipiashchem sloe. Pod red. Leizerovicha. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 222 p. (MIRA 12:8) (Zinc--Metallurgy)

6.8000 (and 1063, 1155)

20238 \$/046/61/007/001/009/015 B104/B204

AUTHORS:

Tsedilin, S. A., Tsetlin, V. M.

TITLE:

Siren for acoustic coagulation of aerosols

PERIODICAL: Akusticheskiy zhurnal, v. 7, no. 1, 1961, 78-86

TEXT: The siren described was developed and tested by the Institute mentioned under Association. It is an axial sound generator, which is smaller and of simpler structure than radial sound generators, and requires no parabolic reflector. The fundamental frequency of the sound produced is 6-7 kc, and the intensity depends on the passage of air. Stator and rotor are circular and have 75 openings with a diameter of 3.9 mm on a pitch diameter of 200 mm. Fig. 1 shows a section of this siren. The ground rotor consists of an aluminum body, onto which a steel disk with 75 openings is screwed. As may be seen from Fig. 1, air inlet 1 and stator 2 of the system are detachably connected, which is of advantage especially for adjusting the air gap between rotor and stator. As may be seen from close investigations of this siren, the aerodynamic resistance of the siren itself is not great at the given working conditions. It follows herefrom that a decrease Card 1/6

20238

S/046/61/007/001/009/015 B104/B204

Siren for acoustic ...

of the aerodynamic resistance in the air supply of the siren increases the efficiency of these sirens. For measuring the sound intensity, the effective sound pressure was experimentally determined. In Fig. 3, the intensity I and the logarithmic level L are graphically represented as a function of the radius. Further, it follows from the measurements that the direction diagram of the siren depends considerably on frequency. Measured results concerning the acoustic efficiency are given in Table 3, where the efficiency was calculated by means of formula η = N/QR, where N is the acoustic efficiency of the siren, Q is the air consumption, and R the aerodynamic resistance. Close investigations carried out on a coagulation chamber having a length of 10.9 m and a diameter of 610 mm, which was erected in a perpendicular position, were carried out. As sound insulation, a 100 mm thick layer of slag was used. During the experiment, the coagulation chamber was open at the bottom, while the siren was on top. In Fig. 7, L and I are graphically represented as function of the radius (as in Fig. 3), measured at a distance of 5.45 m from the mouth of the siren. As subsequently stated, the siren described meets the demands made on it. There are 7 figures, 6 tables, and 2 Soviet-bloc references.

Card 2/6

S/046/61/007/001/009/015 B104/B204

Siren for acoustic ...

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh

metallov Moskva (State Scientific Research Institute of

Nonferrous Metals, Moscow)

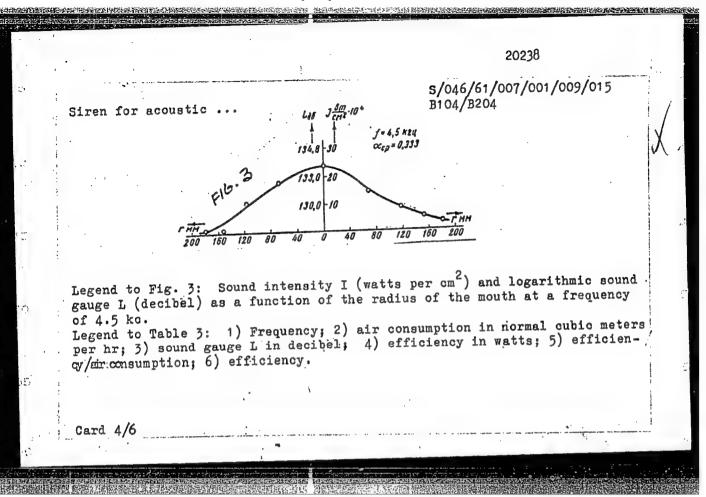
SUBMITTED: April 19, 1960

Legend to Fig. 1: 1) Mouth; 2) stator; 10) rotor. (For Fig. 1 see card 6 of 6)

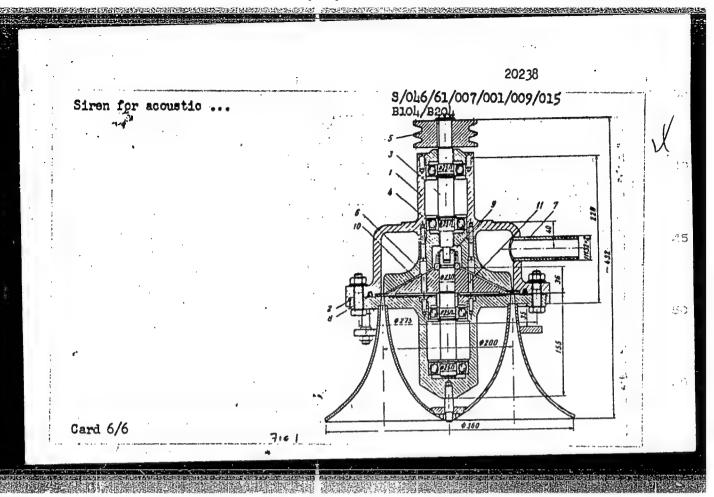
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APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001757010018-1"



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3), %;	Siren	for	acoustic	•••	!	S/046/61/0 B104/B204	007/001/009/015	;
	Legen	d to	Fig. 7:	L and I as	a function of	the diameter	of the coagulat	ion
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APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

TSEDILIN, S.A.; TSETLIN, V.M.

Siren for the acoustical coagulation of aerosols. Akust. zhur. 7
(MIRA 14:4)

no.1:78-26 '61.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov, Moskva.

(Aerosols) (Coagulation)

SOV/136-59-7-5/20

Voskresenskiy, P.I., Gordon, G.M., Tsetlin, V.M. AUTHORS:

Dust Catching in Experimental-Production Electrothermic TITLE:

Furnaces with Gas-Tight Charging Gear

Tsvetnyye metally, 1959, Nr 7, pp 23-30 (USSR) PERIODICAL:

ABSTRACT: In recent years the advantages of electrothermic processes have led to their adoption at several Soviet works. But there is little published data on gas cleaning for the conditions of such processes: low flow of explosive and toxic_gas with several hundred g of zinc and lead dust per m3. The authors describe their investigation of gas cleaning systems at two works. Ye. N. Belyayev and V.N. Tsessarskiy of Gintsvetmet, and A.A. Darchiyev and T.F. D'yachenko of the Belovskiy tsinkovyy zavod (Belov Zinc works Works) participated in the work. At the Irtysh the installation has been modified on the advice of Gintsvetmet and now consists (Fig 1) of a dust chamber, inertia-type dust catcher, scrubber and air ejector. A Card 1/3 floating-screw conveyor is used (Fig 2) for removing dust

CIA-RDP86-00513R001757010018-1" APPROVED FOR RELEASE: 03/14/2001

SOV/136-59-7-5/20

Dust Catching in Experimental Production Electrothermic Furnaces with Gas-Tight Charging Gear

from the chamber. At the Belovo Zinc Works there is one system (Fig 3) for metallic-zinc production by condensation from the liquid phase including an inertia-type dust catcher provided with a type I-85 electromagnetic vibrator and a scrubber with a two-bath settler. For zinc-dust production the system (Fig 4) consists of two vertical bunker-condensers in parallel with tangential gas entry, an inertia-type dust catcher and a scrubber. In the experiments gas flow rates were calculated from the CO + CO2 content together with the weights of coke used or zinc distilled; checks were made with an anemometer. The systems studied involve long scrubber gas transit-times with high spray rates and efficiencies of 98.2-99.9%. The dust catchers (Table 2) at the Irtysh works operated at 57.0% efficiency, those at the Belovo works at 83.1 (condensation) and 80.2% (powder). The authors note that inlet-dust mean equivalent diameter data, obtained with Tovarov's apparatus fail to indicate actual behaviour since intense coagulation occurs in dust-catching systems.

Card 2/3

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

SOV/136-59-7-5/20

Dust Catching in Experimental Production Electrothermic Furnaces with Gas-Tight Charging Gear

They recommend extension to gas cleaning at the Belovo works and state that the use of inertia-type dust catchers at the Irtysh works has given a 60-% reduction in the dust precipitated in the scrubbers. There are 4 figures, 2 tables and 6 references, 5 of which are Soviet and 1 English.

ASSOCIATION: Gintsvetmet

Card 3/3

GORDON, Grigoriy Mikhaylovich; PEYSAKHOV, Isaak Leybovich; TSHYDLER,
A.A., prof., doktor, retsenzent; AVROV, V.G., inzh., retsenzent;
TSETLIN, Verned.; APKHANGEL'SKAYA, M.S., red. izd-va;
VAYNSHTEYN, Ye.B., tekhn.red.

[Dust collection and gas purification] Pyleulavlivanie i ochistka gazov. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958. 291 p. (MIRA 12:1) (Gas purification) (Dust--Removal)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

TSETLIN, V.H.; PROKOF YEVA, N.B., redaktor; TRUSOV, N.S., tekhnicheskiy redaktor.

[Acoustic coagulation of aerosols and its technical application]
Akusticheskais koaguliatsiia aerozolei i ee tekhnicheskoe orimenenie.
Moskva, M-vo.tsvetuoi metallurgii SSSR, 1957. 55 p. (MIRA 10:11)

(Aerosols) (Ultrosonic coagulation)

TSETLIN, V.M., kand.khim..nauk; RETSAKHOV, I.L., kand.tekhn.nauk

Homogram enabling to determine the speed of floating of dust particles in the Stokes' field at various temperatures of the air. TSvet. met.

33 no.11:42-44 N '60.

(Fly ash)

(Fly ash)

TSETLIN, V.M.; DENISOV, V.F.; TSEDILIN, S.A.; Prinimali uchastiye:

SASIN, V.I., mladshiy nauchnyy sotrudnik; GUDIN, B.S., master;

DRACHEVA, T.V., laborantka; OL'KOV, V.T., laborant;

SLOVIKOVSKIY, A.A., laborant

Investigating the effect of various factors on the process of nonferrous metal dust coagulation in a sound field. Sbor. nauch. trud. Gintsvetmeta no.19:595-607 62. (MIRA 16:7)

(Nonferrous metals—Metallurgy) (Aerosols) (Sound waves—Industrial applications)

VOSKRESENSKIY, P.I.; GORDON, G.M.; TSETLIN, V.H.; Prinimali uchastiye:

BELYAYEV, Ye.N., master; TSESSARSKIY, V.N., Laborant; DARCHIYEV,

A.A., master; D.YACHENKO, T.F., Laborant

Dust collection at pilot plant electrothermal furnaces with air-tight charging arrangements. Sbor. nauch. trud. Gintsvetmeta no.18:187-198 .61. (MIRA 16:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Belyayev, TSessarskiy). 2. Belovskiy tsinkovyy zavod (for Darchiyev, D'yachenko).

(Electric furnaces—Equipment and supplies)

(Bust collectors)

Evaluating the plasticity of heat-resistant alloys during rupture. Zav. lab. 25 no.1:87-90 '59. (MIRA 12:1) 1.TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya. (Heat-resistant alloys--Testing) (Plasticity)

Testing single- 37 no.12:60-63	n	msh. M 10:12)
	(Hydraulic machinery)	

USSR/ Engineering - Expansion clutches

Card 1/1 Pub. 128 - 6/33

Authors 8 Tsetnarskiy, I. A.

Title 8 Bench tests of expansion turbine clutches

Periodical 8 Vest. mash. 36/1, 20-22, Jan 1956

Abstract 8 Bench tests of a turbine clutch designed and constructed by the All-Union Scientific Research Institute for Construction of Road Machinery, are described. Test results regarding the operational characteristics of the clutch at various adjustments of the expansion disks and the number of

Institution:

Drawing; table; diagrams.

Submitted :

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

r.p.m. of a drive shaft, are given. Three USSR references (1951-1954).

TSEINALSKIY, I. A.

AID P - 4248

Subject : USSR/Engineering

Card 1/1

Pub. 128 - 6/33

Author

: Tsetnarskiy, I. A., Engineer

Title

: Stand testing of turbo clutches with expansion

disengaging wheels.

Periodical : Vest. mash., #1, p. 20-22, Ja 1956

Abstract

: Design of hydraulic turbo-couplings regulated by a changeable clearance play between wheels is shown and the results of tests are given. Diagram, charts,

3 references (1951-1954).

Institution: None

Submitted

: No date

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

SHMAROV, Nikolay Aleksandrovich; TSNTNARSKIY, I.A., otvetstvennyy redaktor;
ARZAMASOV, N.A., redaktor Tzdatel'stva; KUROVENKOVA, Z.A., tekhnicheskiy redaktor

[Mechanization of mining] Mekhanizatsiia gornykh rabot. Moskva,
Ugletekhizdat, 1957. 341 p. (MLEA 10:8)

(Goal mining machinery)

Bench te 20-22 Ja	sting of turbine expa . '56. (Clutches (Ma	nsion clutches. chinery)Testin	(MERA 9:3)

Use of safety turboclutches in the transmission systems of KLTs-lP conveyers. Ugol' Ukr. 5 no.11:40 N '61. (MIRA 14:11)

1. Institut gornogo dela imeni A.A.Skochinskogo. (Conveying machinery) (Turbomachines)

TEKHMISHCHYAN, Azat Vagramovich; kand. tekhn. nauk; TSETNARSKIY, Igor!

Aleksandrovich, inzh.; KAZANSKIY, Anatoliy Sergeyevich, kand. tekhn.
nauk; SEMENOV, Vladimir Mikhaylovich, kand. tekhn. nauk; KORABIZV,
Anatoliy Aleksandrovich, kand. tekhn. nauk; SEMENOV, I.B., otv. red.;
ABARBARCHUK, F.I., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Mining machinery] Gornaia mekhanika. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 291 p. (MIRA 14:6) (Coal mining machinery)

SMORODIN, Sergey Semenovich; TSETNARSKIY, I.A., otv. red.; D'YAKOVA, G.B., red.izd-va; LOMILINA, L.M., tekhn. red.; MAKSIMOVA, v.V., tekhn. red.

[Mine air-duct networks] Rudnichnye vozdukhoprovodnye seti.

Moskva, Gosgortekhizdat, 1963. 156 p. (MIRA 16:8)

(Mine ventilation)

TSETNARSKIY, I.A., inzh.; EERMAN, V.M., kand.tekhn.nauk

Efficiency of using a hydraulic transmission in the drive of a rotary bucket excavator. Nauch. soob. IGD 17:114-120 '62.

(MIRA 16:7)

(Excavating machinery—Hydraulic drive)

- 1. TSTTO, YA.
- 2. USSR (600)
- 4. Collective Farms.
- 7. Collective farm reality. Konkh. proizv. 12, no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, Marcy 1953. Unclassified.

TSETSARSKIY, B.M.

Use of a wall-less illuminator in otorhinolaryngological surgery. Zhur. ush., nos. i gorl. bol. 21 no.3:64 My-Je '61. (MIRA 14:6)

TSETSARSKIY, B. M.

Change in the mobility of the lingual taste buds in various ear diseases. Vest. otorin. no.5:25-29 '61. (MIRA 14:12)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. - prof. I. M. Sobol') Stavropol'skogo meditsinskogo instituta.

(TASTE) (EAR_DISEASES)

Changes in the EHT sres during the influenze outbreak of 1959. Vest.otorin. 22 no.2:70-74 Mr-Ap '60. (MIRA 13:12) 1. Iz kliniki bolezney ukha, gorls i nosa (zev. - prof.I.M. Sobol') Stavropol'skogo meditainskogo instituts. (INFLUENZA pathol.) (OTORHINOLARYNGOLOGY pathol.)

TSETSARSKIY, B.M.

Course of the wound process in the middle ear in animals subjected to X-ray irradiation. Vest.qtorin. 24 no.6: (MIRA 16:7)

1. Iz kafedry Otorinolaringologiches ch bolezney (zav. - prof. I.M. Sobol') Stavropol'skogo meditsinskogo instituta.

(RADIATION SICKNESS) (EAR.-DISEASES)

TSETSERSKIY, A. I.

PA 20/49T35

USSR/Electricity
Telegraphy
Telegraph Equipment

Oct 48

"First Results of Program for Studying Supplementary Skills," A. I. Tsetserskly, Head Economist, Minsk Teleg Office, $\frac{1}{h}$ p

"Vest Svyazi - Elektrosvyaz'" No. 10

AND THE PROPERTY OF THE PROPER

Each shift undertakes to train a certain number of operators per year, e.g., first shift will teach T-15 system to 20 Bodo operators, and Bodo apparatus to 15 teletypists. A total of 72 telegraphers are acquiring supplementary skills at Minsk office.

FDB

20/49135

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

TSETSEVIESKIY, L.M.

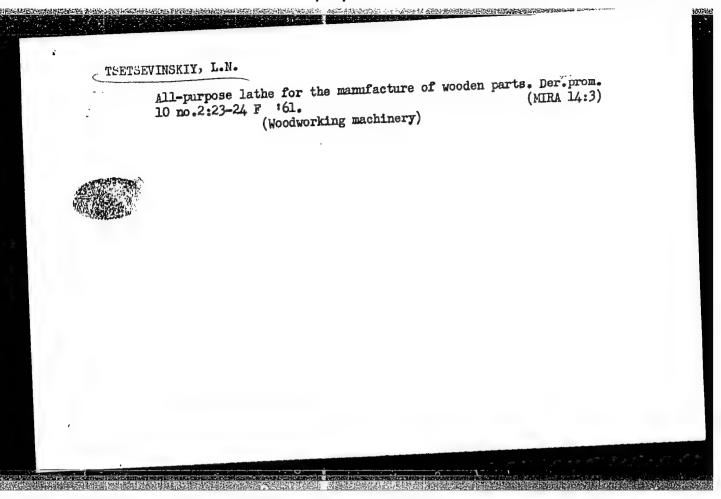
Urel Mountain vertebrates which affect the life of the Siberian pine.
Trudy Inst.biol. UFAN SSSR no.6:145-155 155. (KLRA 9:2)

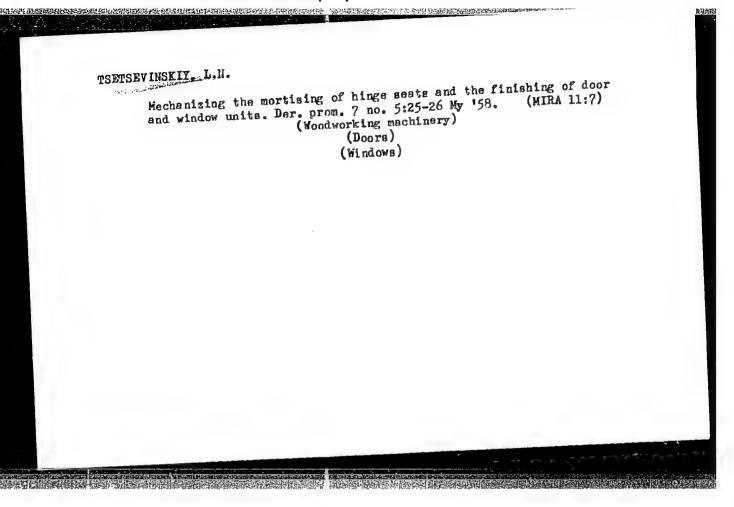
(Ural Mountain region--Forest ecology) (Ural Mountain region--Cedar)

ARIFOV, U. A., EARNÓV, V. A., GUMANSKIY, G. A., KLEYN, G. A., PASHINSKIY, S. Z., TKHELIDZE, L. M., TSETSKHLADZE, T. V., CHKHEIDUE, T. H., and SHERKOV, S. N.

"Treatment of Silkworm Cocoons by Radiation,"

paper to be presented at 2nd UN Intl'. Conf. on the peace uses of Atomic Energy, Geneva, 1 - 13 Sept. 58.





TSETSINOVSKIY, V. M.

"Elements of the Theory of Separating Grain Mixtures." Sub 30 Jun 47, Moscow Technological Inst of the Fool Industry.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum: No. 457, 18 Apr 55

TSETSINOVSKIY, V. M.

Tsetsinovskiy, V. M. - "The problems of designing bins for the cleaning departments of the mills", Trudy Vsesoyuz. nauch.-issled. in-ta zerna i produktov ego pererabotki, Issue 16, 1949, p. 166-82.

SO: U-h110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

Cultivated Piante, Grains. Legumineds Grains. Tropical Cossuls. ... Liebes : 1.1. 1. 11 -0 - 2061ya, 20, 5 , 3939, 30, 20258 . Do. Jobie : : Taevsinovskiv, V.M.; : All-Union Sci.Res.Inst.of Grain and Its Pro-Link : Systems and Technological Schomes for Calib- ! BITLE rating Corn Seeds at the Cereal Grading Points. olig. Publ: Soobahch, i ref. Vsec. n.-1. in-te zeres i produktov yego pererabotki,1957, vyp.4, 6-13 Billy NY: On the basis of investigation on the forms of grain sections and distribution of large grains slong the length of the cob in the most widely distributed varieties VIR-42, Arasnoderskaya 1/49 and Sterling, a correlation has been established between the dimensions of the grains: in seed sorting, for example, by thickness simultaneous sorting by width is also performed within certain limits and with a definite accuracy. While *ceased Fraducts 1/3 C. AD:

14 Million: Cultivated Plants. .. B. 2003. Auf Char -Biologiya, So. 5, 1799, No. 20258 9 123 5 July 43 4 65.14. PCB a ABSTINCT: studying variation curves, the limits of variaation in the fractional sowing group were discovered on the basis of width, thickness and length of the grains. The distinctness of the sowing depends on the number of fractions. However, an increase in the latter raises the expense and complicates the tacknological process. Basic technological schemes have been worked out for cleaning and calibrating corn seeds in the minimum number CARD 2/3

Sentituated Plants.

Sentituat

TSETSINOVSKIY, V., kand. tekhn. nauk.

Sizing seed corn at grain procurement stations. Mukh.-elev. prom. 24 (MIRA 11:5) no.4:8-9 Ap '58.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zerna i produktov yego pererabotki. (Corn (Maize)--Grading)

TSETSINGUSKIY, V., kand.tekhn.nauk; PTUSHKINA, G., nauchnyy sotrudnik; BELYAYEV, Ye., nauchnyy sotrudnik

Ways for improving the grading of shelled corn at plants and grain procurement points. Muk.-elev. prom. 24 no.9:11-14 S '58. (MIRA 11-10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut serna i produktov yego pererabotki (for TSetsinovskiy, Ptushkina). 2. Vsesoyuznyy institut sel'skokhozyaystvennogo mashinostroyeniya (for Belyayev).

(Corn (Maize)--Grading)

KUPRITS, Ya.N., prof. doktor tekhn. nauk; DEMIDOV, P.G., prof.;
DEMIDOV, A.R., prof. doktor tekhn. nauk; GINZEURG,
M.Ye., kand. tekhn. nauk, dots.; DROGALIN, K.V., kand.
tekhn. nauk; NAUMOV, I.A., kand. tekhn. nauk;
TSETSINOVSKIY, V.M., kand. tekhn. nauk; TRUNOV, A.F.,
inzh., retsenzent; KLEYMAN, L.M., red.

[Technology of grain processing; flour, groats and mixed feed industries] Tekhnologiia pererabotki zerna; muko-mol'noe, krupianoe i kombikormovoe proizvodstvo. Moskva, Kolos, 1965. 504 p. (MIRA 18:12)

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001757010018-1"

TETSIORNO-LIMOROVA, A.A.

A case of generalized eruntion following representation against smallpox. Trudy Len.inst.coid, i mikrobiol. 9:197-201 '47. (Mirr. 10-3) l. Iz ospennogo otiels Institute im. Peaters (zav. otd. A.A.Belvavay) (SMALIPOX) (VACCINATION)

Testschladze, K. M.-"The obilisi zoological park, its problems an parage times,"
Trudy Toilis. zoopaka, Vol. I, 1908, p. 5-23, - (In Georgian, resume in Engels)
Trudy Toilis. zoopaka, 29 bot 53, (Letopis 'Zhurn 1 'nykh St tey, No. 16, 1949).

S0: U-1994, 29 bot 53, (Letopis 'Zhurn 1 'nykh St tey, No. 16, 1949).

TSETSKHLADZE, M. I., VEKUA, M. A. and SMIRNOVA, G. P.

"Treatment of Ancylostomiasis With Chenopodium Oil", Med. Paraz. i Faraz. Bolez.,
Vol. 17, No. 5, pp 434-35, 1948.

TSETSKHLADZE, M.V.

**TSEFSKHLADZE, M.V.-- "Curing Ascaridiasis and Ancylostomiasis with Chenopodinic Oil."

**(Dissertation for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions.) Thilisi State Medical Inst, Thilisi, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 1955

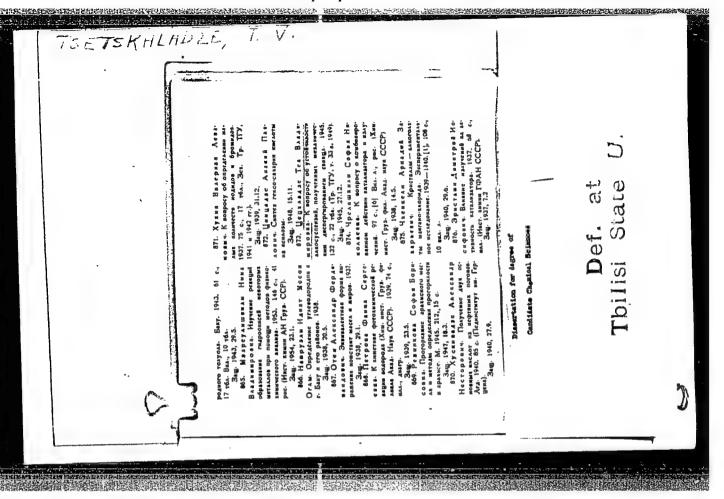
* For Degree of Candidate in Medical Sciences

TSETSKHLADZE, N.Ya.

Freatment of scute and chronic lumbosacral radiculitis patients with baths from the Sukhum mineral water. Soob. AN Gruz. SSR 34 (MIRA 18:2) no.2:493-499 My 64.

1. Abkhazskiy filial Instituta kurortologii i fizioterapii Ministerstva zdravockhraneniya Gruzinskoy SSR. Submitted December 4, 1963.

Treatment of patients suffering from lumbosacral radiculitis
with baths from Sukhimi mineral water borehole. Vop.kur.
with baths from Sukhimi mineral water borehole.
with baths from Sukh



USSR/Farm Animals - Silkworms.

0-6

Abs Jour

Ref Zhur - Biol., No 7, 1958, 31054

Author

: Kipiyani R.Ya., Tsetshkladze T.V.

Inst Title

: Killing the Chrysalides and the Conservation of Cocoons of the Mulberry-Feeding Silkworm by Gamma Irradiation

(Zamorivaniye kukolok i konservatsiya kokonov tutovogo

shelkopryada gamma-izlucheniyem).

Orig Pub

Soobshch. AN GruzSSR, 1956, 17, No 7, 657-662.

Abstract

: In the suffocation of chrysalides of the silkworm by hot air or by steam, etc., a decrease of the output of raw silk and a deterioration of the unwinding of cocoons may be observed. In radiation sterilization, the temperature does not rise to a noticeable degree, and therefore the thermal denaturation does not occur. The technology of the radiation sterilization is simple

and economically expedient.

Card 1/2

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TSETSKHLADZE, T. V.

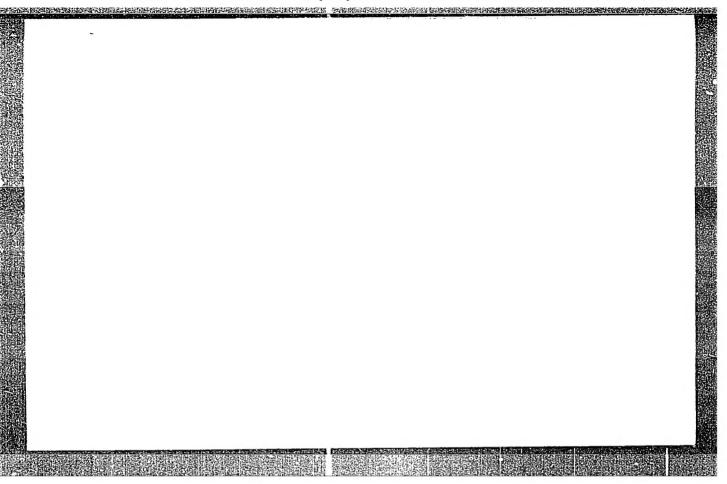
Tsetskhladze, T. V. - "The properties and stability of certain alco-suspensions derived from the mechanical dispersion of lead," Trudy Tbilis gos. un-ta im. Stalina, Vol. XXXIIIa, 1949, p. 75-83, (In Georgian, resume in Russian), -Bibliog: 7 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

CIA-RDP86-00513R001757010018-1" APPROVED FOR RELEASE: 03/14/2001

TSMISKHLADZE, T. V.

Tsetskhladze, T. V. and Kokochashvili, V. I. - "The effect of organic matter on the stability of an alco-suspension of oxide compounts of lend," Trudy Toilis gos. un-tailm. Stalina, Vol. XXXIIIa, 1949, p. 85-88, - Bibliog: 5 items



F-1

TSETSKHLADZE, T.V.

USSR/Microbiology. General Microbiology.

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28918.

Author : Tsetskhladze, T.V., Kipiani, R. Ya.

: Effect of & -Irradiation on Grape Vines and Brandy Alcohols. Inst Title

Orig Pub: Deystvie (-izlucheniya na vinogradnye vina i konyachnye

Soobshch. AN GruzSSR, 1956, 17, No 4, 303-308.

Abstract: Experiments were conducted on the possibility of speed-

ing-up seasoning of alcoholic beverages by irradiation with gamma-rays from radioactive cobalt (Co60). Irradiation of old wines decreases quality; irradiation of young wines (year old), also wines of the Madeira and port type, improves taste properties.

: 1/2 Card

USSE/Microbiology. General Microbiology.

F-1

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28918.

Irradiation results in biochemical improvements six.lar to those which are observed in natural seasoning of alcoholic beverages.

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Card : 2/2

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KIPIANI, R.Ya.; TSETSKHIADZE, T.V.

Be the experience of the court of the court of

Gamma rays for destroying and conserving the cocoons of silkworm.

Soob. AN Gruz. SSR 17 no.7:657-662 '56. (NIRA 9:11)

1. Akademiya nauk Gruzinskoy SSR, Institut fiziki, Tbilisi. Predstavleno chlenom-korrespondentom Akademii L.P. Kalandadse.
(Silkworms) (Gamma rays--Physiological effect)